

**AMENDMENTS TO THE SPECIFICATION:**

Please replace the paragraph which begins on page 8, line 15 and ends on line 29, with the following rewritten paragraph:

**Brief Description of the Drawings**

The invention is explained in more detail on the basis of the following drawings, in which:

Figure 1 shows a schematic representation of the apparatus according to the invention,

Figure 2 shows a side view of a waveguide which comprises twisted individual wires,

Figure 3 shows a preferred embodiment of a waveguide comprising a plurality of twisted individual wires in cross section, and

Figure 4 shows a side view of a further embodiment of the waveguide according to the invention, and

Figure 5 shows a schematic representation of the apparatus including a universal joint.

Please replace the paragraph which begins on page 9, line 24 and ends on line 38, with the following rewritten paragraph:

In Figure 4, a side view of a further embodiment of the waveguide 5 according to the invention can be seen. Here, the waveguide 5 comprises a plurality of individual pieces (tubes, rods, etc.) 14, two successive pieces 14 being respectively connected to one another via a flexible intermediate piece 15. The intermediate piece 15 is, for example, a wire cable. The connection 16

respectively between a piece 14 and an intermediate piece 15 is, for example, a universal joint or a crimped connection (Figure 5). To ensure that the attenuation of the high-frequency measuring signals guided along the waveguide 5 is as low as possible, the flexible intermediate piece 15 is enclosed by a tubular mesh 17, the mesh 17 terminating essentially flush with the adjoining surface of the pieces 14.